

Summary of the Office Action

Claims 1 and 3-5 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Bezama (U.S. Patent No. 5,870,823) (hereinafter “Bezama”) and Juhala (U.S. Patent No. 5,764,675) (hereinafter “Juhala”).

Claim 2 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Bezama and Juhala as applied to claim 1 above, and further in view of Calaman (U.S. Patent No. 6,397,932) (hereinafter “Calaman”).

Summary of the Response to the Office Action

Applicants have amended claim 1 to differently describe embodiments of the disclosure of the instant application’s specification. Accordingly, claims 1-5 remain currently pending for consideration.

Rejection under 35 U.S.C. § 103(a)

Claims 1 and 3-5 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Bezama and Juhala. Claim 2 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Bezama and Juhala as applied to claim 1 above, and further in view of Calaman.

Applicants have amended claim 1 to differently describe embodiments of the disclosure of the instant application’s specification. To the extent that these rejections might be deemed to apply to the claims as newly-amended, they are respectfully traversed for at least the following reasons.

Applicants respectfully submit that in the semiconductor light emitting device of the present invention, as described, for example, in newly-amended independent claim 1 of the

instant application, the light emitting element arrays are serially connected by connection lines for current supply. Also, two conductive members, namely a first conductive member associated with the water inlet side conveyance pipe and a second conductive member associated with the water outlet side conveyance pipe are provided in each of the light emitting units, and the first and second conductive members are connected electrically with the conductive portion of the cooling water passage provided in the heat sink.

In addition, in the semiconductor light emitting device of the present invention, a first electrode and a second electrode are provided in each of the light emitting units, and an electric current is supplied to the semiconductor light emitting element between the first and second electrodes via connection lines for current supply, first and second electrodes, and the conductive portion of the heat sink.

Applicants refer to Figs. 2 to 4 of the instant application in these regards. For example, Fig. 3 of the instant application illustrates a water inlet side conveyance pipe 1, a first conductive member (guard electrode) 2 (shown near left end portion of Fig. 3), a light emitting unit 4, a connection line for current supply 5, a water outlet side conveyance pipe 6, a second conductive member (guard electrode) 2 (shown near right end portion of Fig. 3), first electrode 26, and second electrode 27.

Applicants respectfully submit that at least these features of the present invention, as described in the advantageous combination of features described in newly-amended independent claim 1 of the instant application, are neither disclosed nor suggested in Bezama and Juhala.

Accordingly, Applicants respectfully assert that the rejections under 35 U.S.C. § 103(a) should be withdrawn because neither of Bezama nor Juhala, whether taken singly or combined,

teach or suggest each feature of independent claim 1, as newly-amended. MPEP § 2143.03 instructs that “[t]o establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. In re Royka, 409 F.2d 981, 180 USPQ 580 (CCPA 1974).” Furthermore, Applicants respectfully assert that dependent claims 3-5 are allowable at least because of their dependence from claim 1, and the reasons set forth above. Also, the additionally-applied reference to Calaman, with regard to claim 2, fails to cure the deficiencies of Bezama and Juhala, as previously described.

CONCLUSION

In view of the foregoing amendments and remarks, withdrawal of the rejections and allowance of all pending claims are earnestly solicited. Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact Applicant’s undersigned representative to expedite prosecution. A favorable action is awaited.

EXCEPT for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required, including

any required extension of time fees, or credit any overpayment to Deposit Account No. 50-0573.

This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

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